

FIG. 1

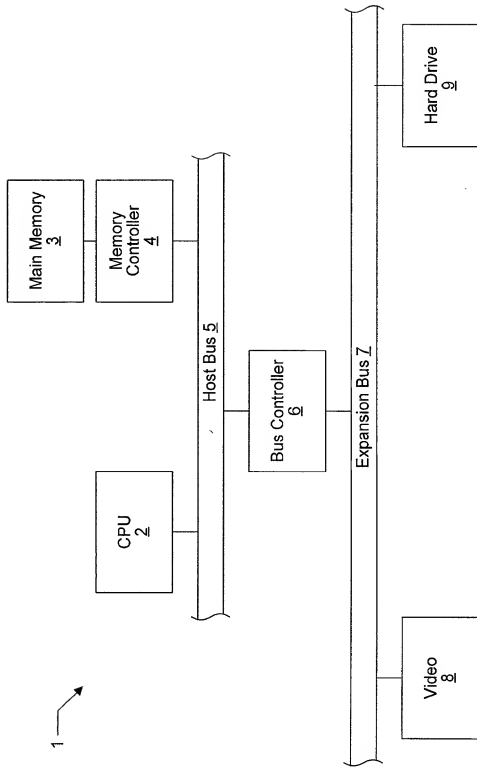


FIG. 2

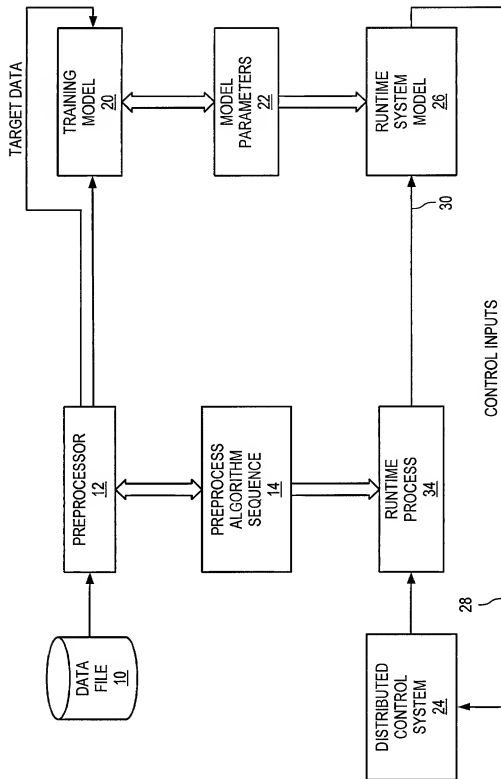


FIG. 3A

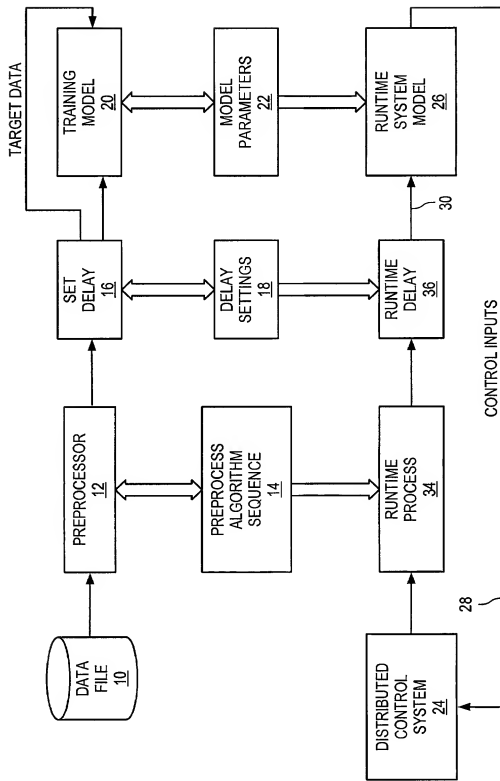


FIG. 3B

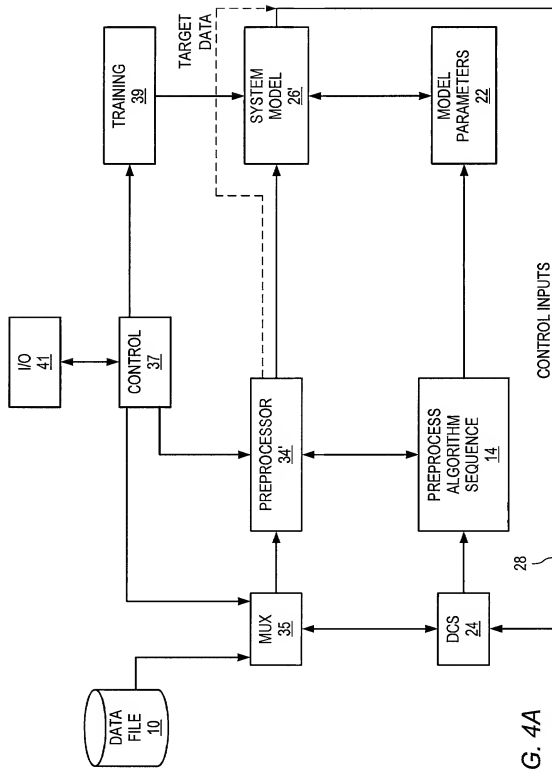


FIG. 4A

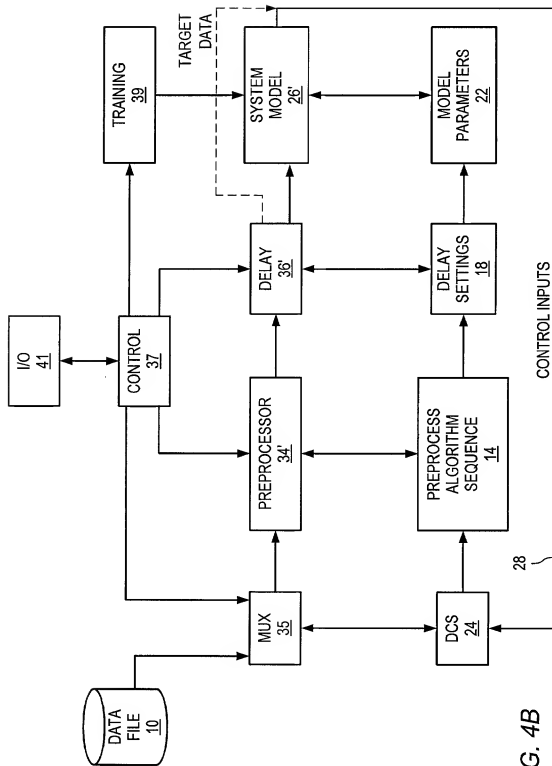


FIG. 4B

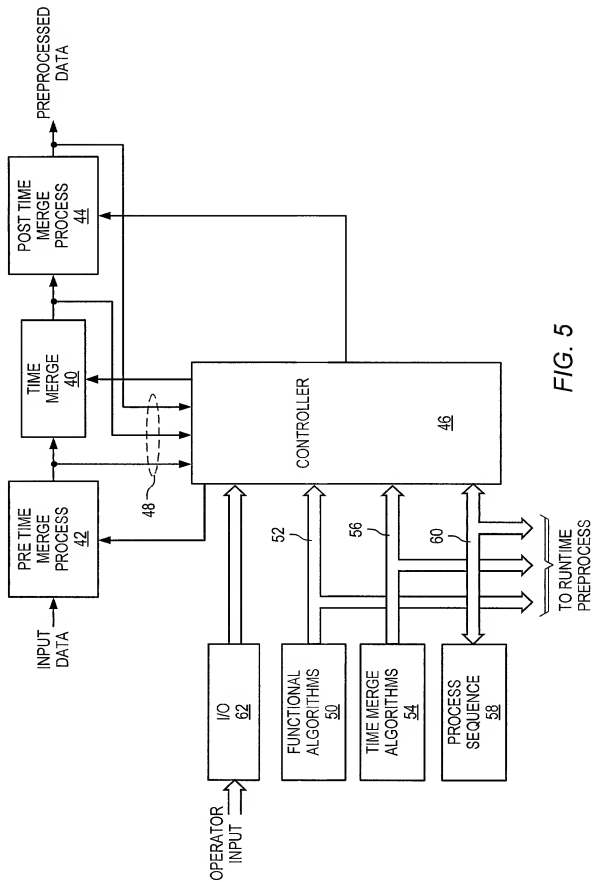


FIG. 5

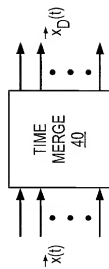


FIG. 6



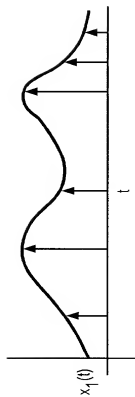


FIG. 7A

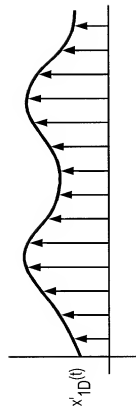


FIG. 7B

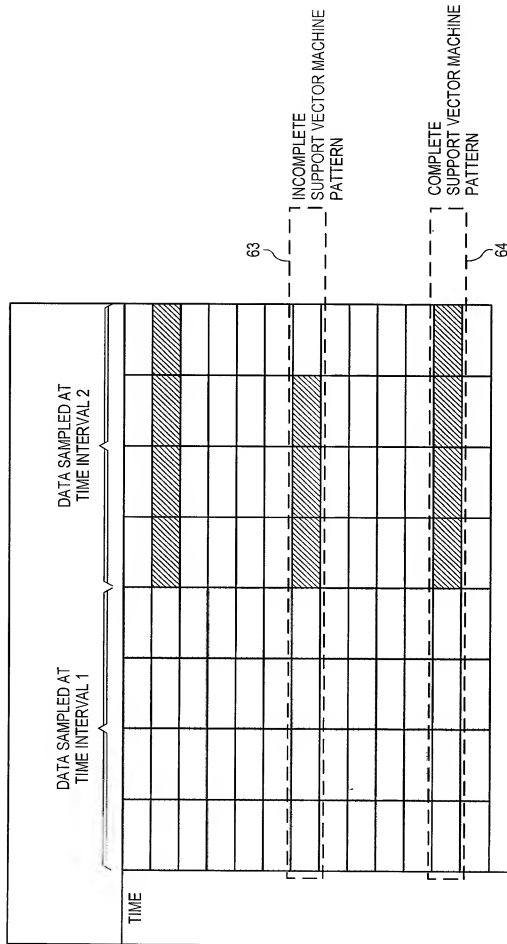


FIG. 8A

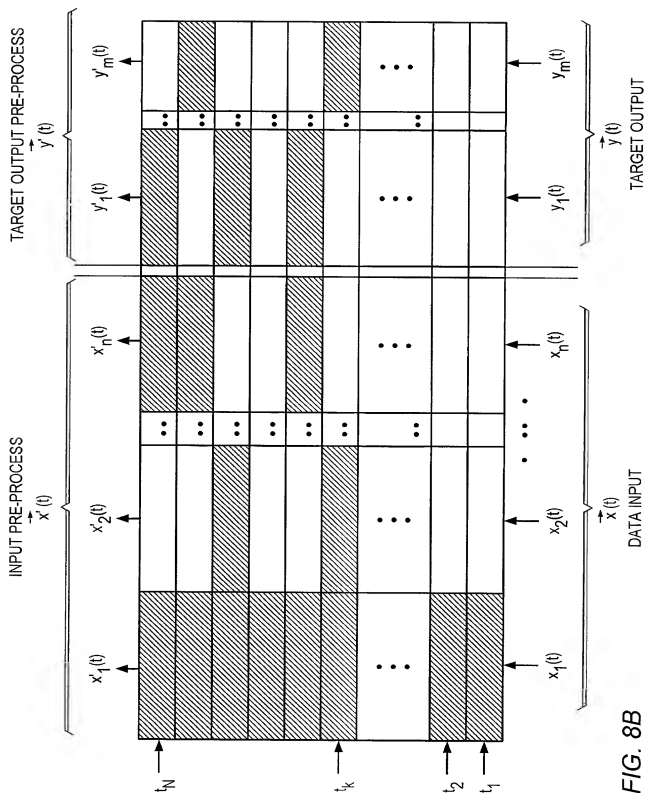


FIG. 8B

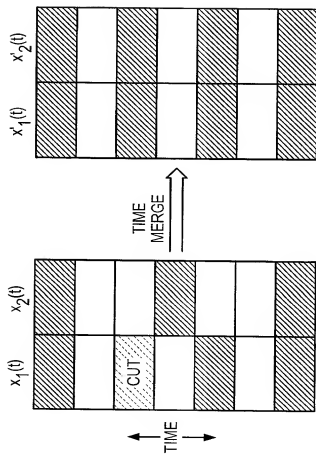


FIG. 8C

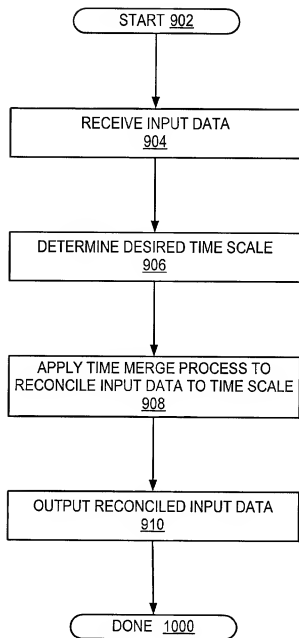


FIG. 9A

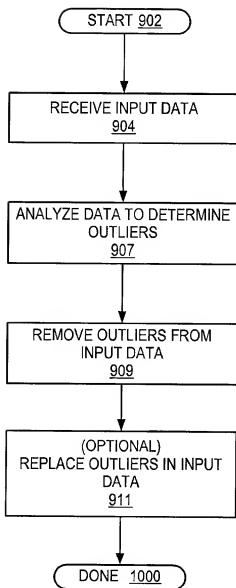


FIG. 9B

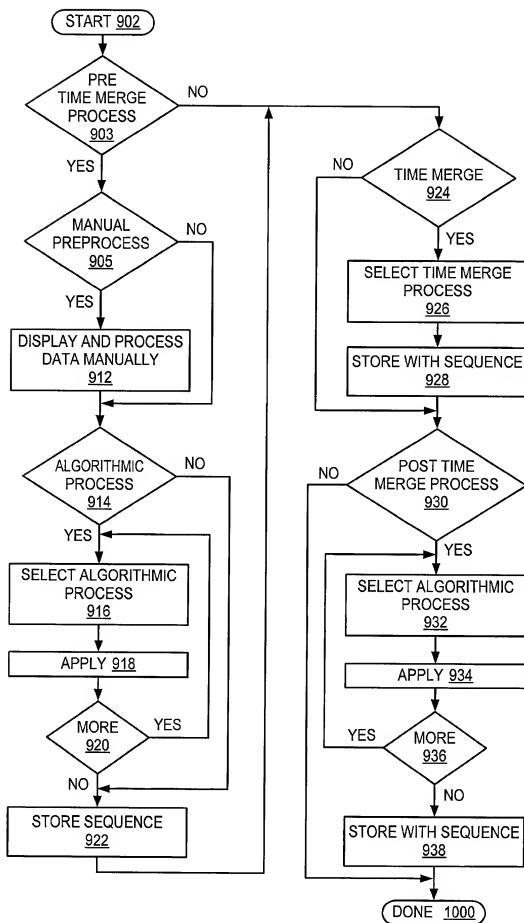
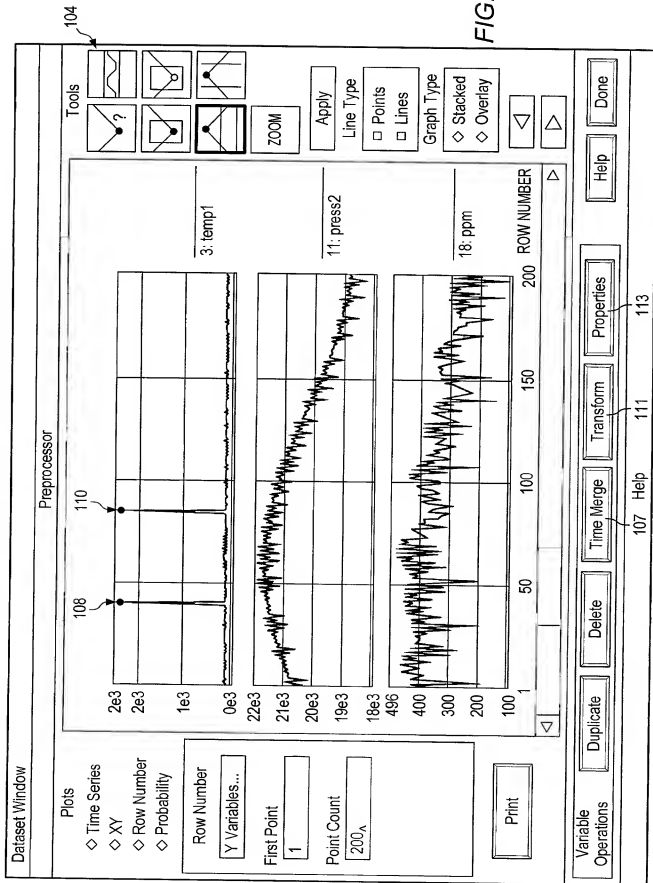


FIG. 9C





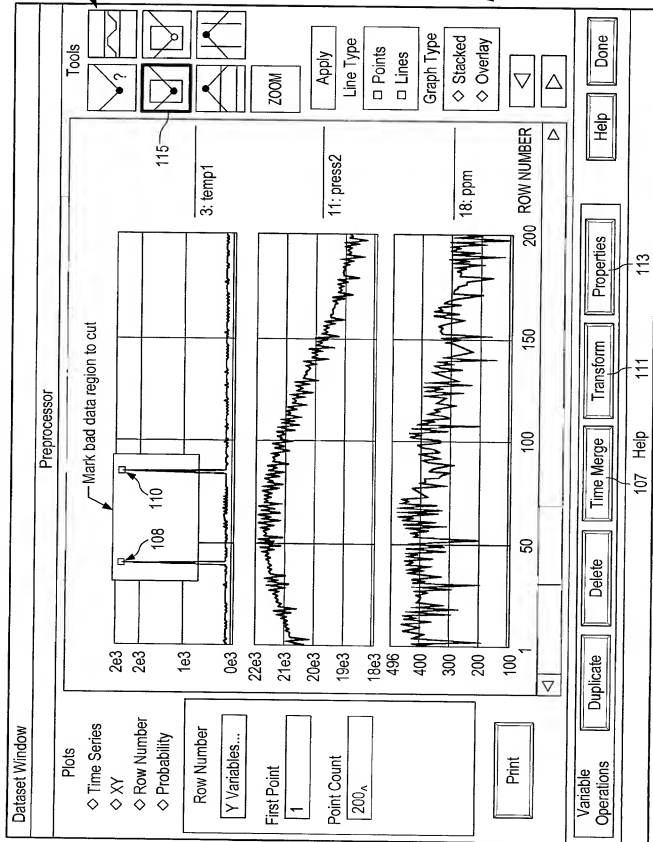


FIG. 10B

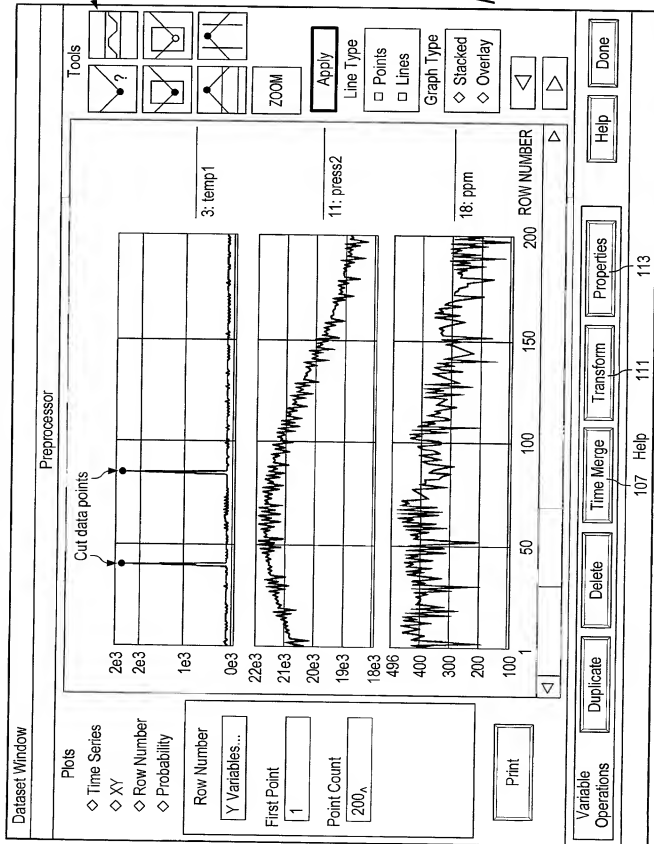
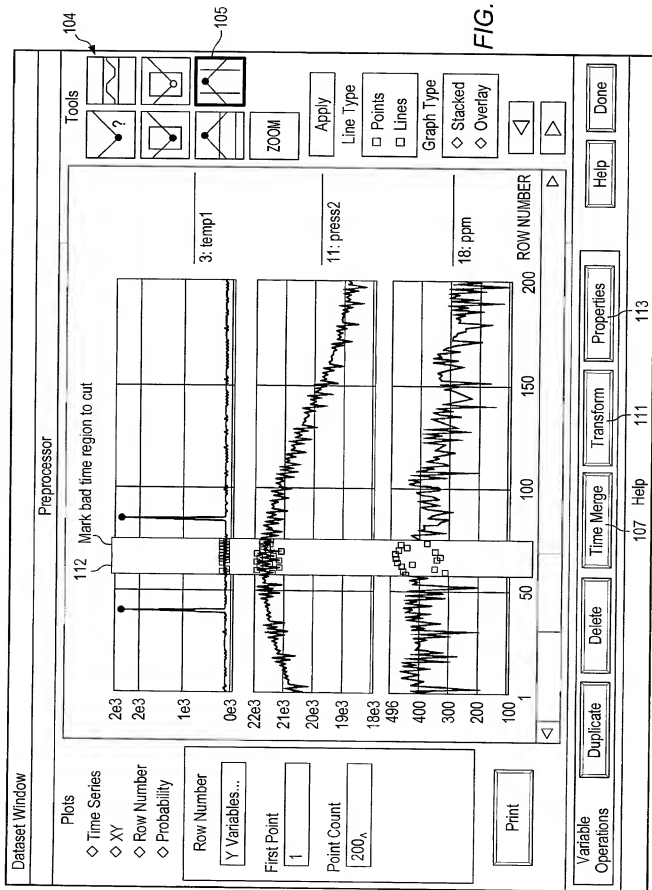


FIG. 10C



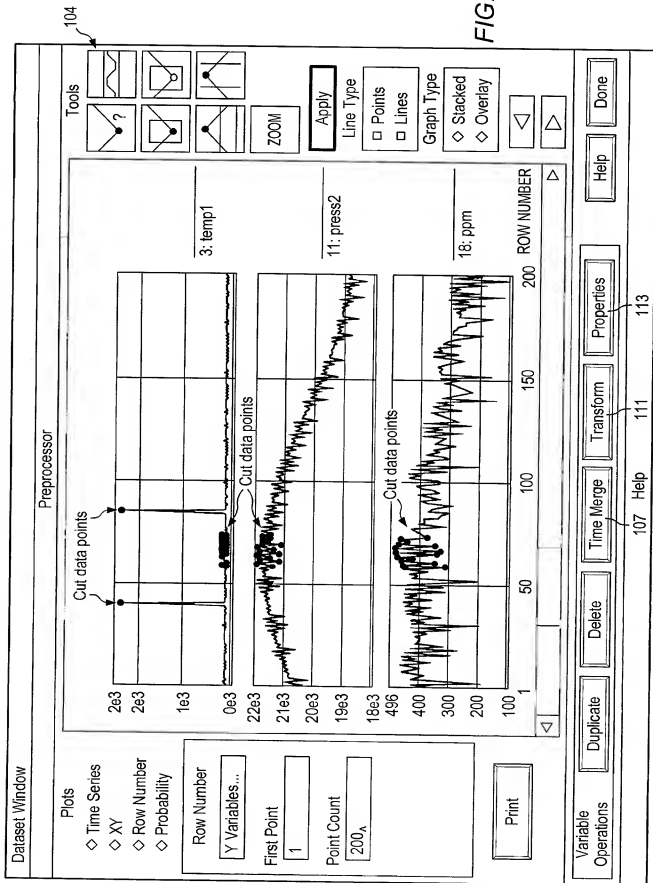


FIG. 10E

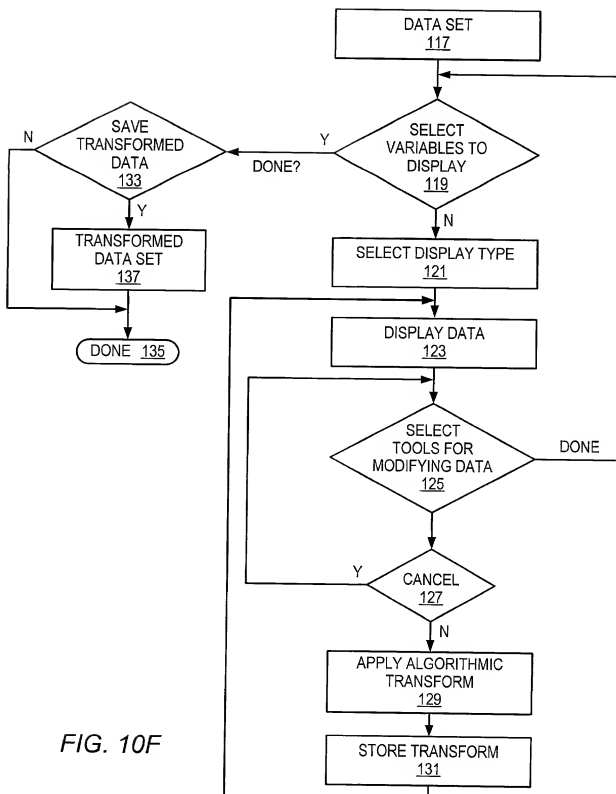


FIG. 10F

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FIG. 11

TABLE 1

| Name | DATE_1 | TIME_1   | temp1 | press1  | DATE_2 | TIME_2   | flow1   | temp2  |
|------|--------|----------|-------|---------|--------|----------|---------|--------|
| Row  | Col 1  | Col 2    | Col 3 | Col 4   | Col 5  | Col 6    | Col 7   | Col 8  |
| 36   | 1/2/92 | 12:00:59 | 81.87 | 1552.80 | 1/3/92 | 23:00:59 | 1211.00 | 276.95 |
| 37   | 1/2/92 | 13:00:59 | 58.95 | 1489.19 | 1/4/92 | 01:00:59 | 1210.90 | 274.44 |
| 38   | 1/2/92 | 14:00:59 | 83.72 | 1558.00 | 1/4/92 | 3:00:59  | 1211.09 | 277.38 |
| 39   | 1/2/92 | 15:00:59 | 53.72 | 1474.40 | 1/4/92 | 5:01:00  | 1210.69 | 274.01 |

TABLE 2

| Name | DATE_1 | TIME_1   | temp1 | press1  | DATE_2 | TIME_2   | flow1   | temp2  |
|------|--------|----------|-------|---------|--------|----------|---------|--------|
| Row  | Col 1  | Col 2    | Col 3 | Col 4   | Col 5  | Col 6    | Col 7   | Col 8  |
| 36   | 1/2/92 | 12:00:59 | 1.91  | 1552.80 | 1/3/92 | 23:00:59 | 1211.00 | 276.95 |
| 37   | 1/2/92 | 13:00:59 | 1.77  | 1489.19 | 1/4/92 | 01:00:59 | 1210.90 | 274.44 |
| 38   | 1/2/92 | 14:00:59 | 1.92  | 1558.00 | 1/4/92 | 3:00:59  | 1211.09 | 277.38 |
| 39   | 1/2/92 | 15:00:59 | 1.73  | 1474.40 | 1/4/92 | 5:01:00  | 1210.69 | 274.01 |

PROPERTIES 2

```
markcut(temp1, 1, 2068, 920.844325, 16000000000000000000.000000)
markcut(temp1, 1, 58, 73, -16000000000000000000.000001, 60000000000000000000)
Slog(temp1)
```

TABLE 3

| Name | DATE   | time     | temp1 | press1  | flow1   | temp2  | press2  | flow2  |
|------|--------|----------|-------|---------|---------|--------|---------|--------|
| Row  | Col 1  | Col 2    | Col 3 | Col 4   | Col 5   | Col 6  | Col 7   | Col 8  |
| 36   | 1/2/92 | 12:00:00 | 1.87  | 1530.00 | 1211.69 | 274.50 | 2160.00 | 533.29 |
| 37   | 1/2/92 | 13:00:00 | 1.87  | 1530.00 | 1211.69 | 274.50 | 2160.00 | 533.29 |
| 38   | 1/2/92 | 14:00:00 | 1.87  | 1530.00 | 1211.69 | 274.50 | 2160.00 | 533.29 |
| 39   | 1/2/92 | 15:00:00 | 1.87  | 1530.00 | 1211.69 | 274.50 | 2160.00 | 533.29 |

PROPERTIES 3

```
markcut(temp1, 1, 2068, 938.633160, 16000000000000000000.000000)
markcut(temp1, 57, 71, -16000000000000000000.000001, 60000000000000000000)
Slog(temp1)
tmerge(temp1, time, 0, 1666666663417741312.000000)
```

TABLE 4

| Name | DATE   | time     | temp1   | press1  | flow1   | temp2  | press2  | flow2  |
|------|--------|----------|---------|---------|---------|--------|---------|--------|
| Row  | Col 1  | Col 2    | Col 3   | Col 4   | Col 5   | Col 6  | Col 7   | Col 8  |
| 36   | 1/2/92 | 12:00:00 | 5001.87 | 1530.00 | 1211.69 | 274.50 | 2160.00 | 533.29 |
| 37   | 1/2/92 | 13:00:00 | 5001.87 | 1530.00 | 1211.69 | 274.50 | 2160.00 | 533.29 |
| 38   | 1/2/92 | 14:00:00 | 5001.87 | 1530.00 | 1211.69 | 274.50 | 2160.00 | 533.29 |
| 39   | 1/2/92 | 15:00:00 | 5001.87 | 1530.00 | 1211.69 | 274.50 | 2160.00 | 533.29 |

PROPERTIES 4

```
markcut(temp1, 1, 2068, 938.633160, 16000000000000000000.000000)
markcut(temp1, 57, 71, -16000000000000000000.000001, 60000000000000000000)
Slog(temp1)
tmerge(temp1, time, 0, 1666666663417741312.000000)
temp1 + 5000
```



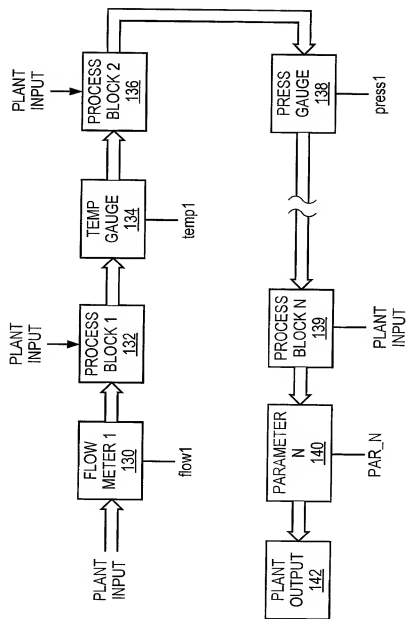


FIG. 13

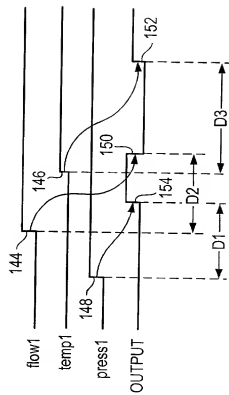


FIG. 14

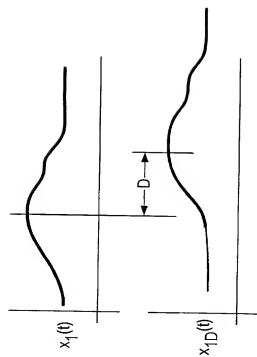


FIG. 15

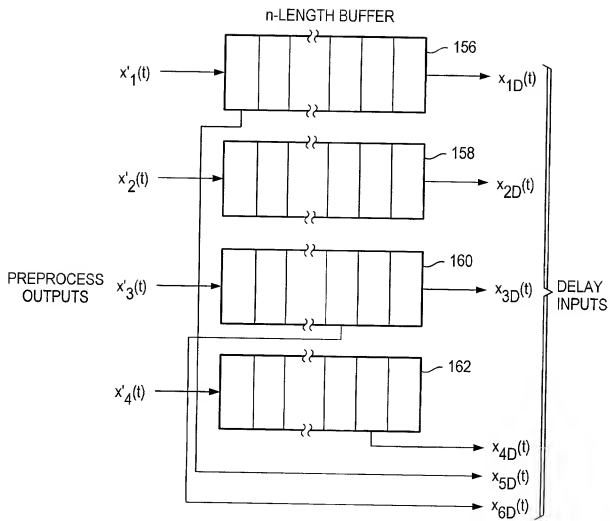


FIG. 16

| TIME | DELAY SELECTION DISPLAY |        |            |       |        |            |       |        |            |        |
|------|-------------------------|--------|------------|-------|--------|------------|-------|--------|------------|--------|
|      | TEMP1                   | PRESS1 | FLOW-RATE1 | TEMP2 | PRESS2 | FLOW-RATE2 | TEMP3 | PRESS3 | FLOW-RATE3 | PPM    |
| -4.5 |                         |        |            |       |        |            |       |        |            |        |
| -4.0 | INPUT                   |        |            |       |        |            |       |        |            |        |
| -3.5 | INPUT                   | INPUT  |            |       |        |            |       |        |            |        |
| -3.0 | INPUT                   | INPUT  | INPUT      |       |        |            |       |        |            |        |
| -2.5 |                         | INPUT  |            | INPUT | INPUT  |            |       |        |            |        |
| -2.0 |                         |        |            |       |        | INPUT      |       |        |            |        |
| -1.5 |                         |        |            |       |        |            | INPUT |        |            |        |
| -1.0 |                         |        |            |       |        |            |       | INPUT  | INPUT      |        |
| -0.5 |                         |        |            |       |        |            |       |        |            |        |
| 0.0  |                         |        |            |       |        |            |       |        |            | OUTPUT |
| 0.5  |                         |        |            |       |        |            |       |        |            | OUTPUT |
| 1.0  |                         |        |            |       |        |            |       |        |            | OUTPUT |
| 1.5  |                         |        |            |       |        |            |       |        |            |        |

FIG. 17

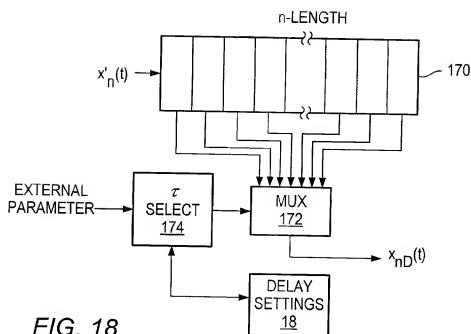


FIG. 18

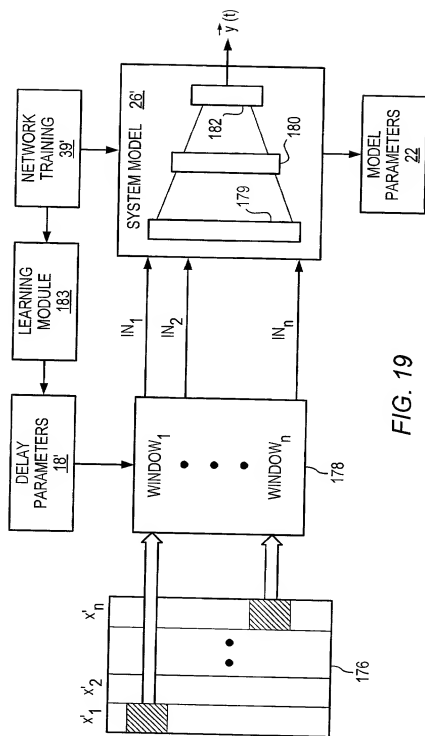


FIG. 19

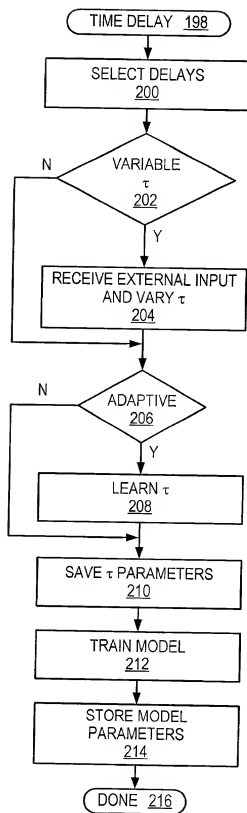


FIG. 20



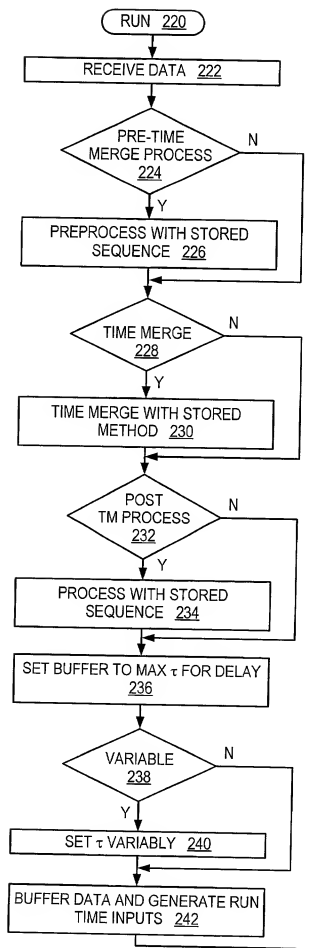
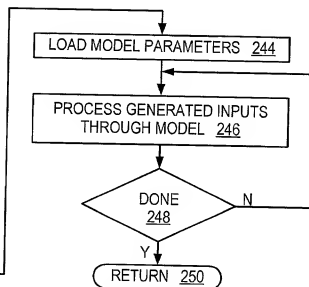


FIG. 21



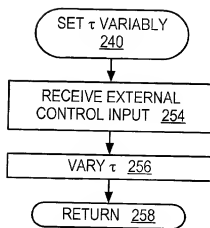


FIG. 22

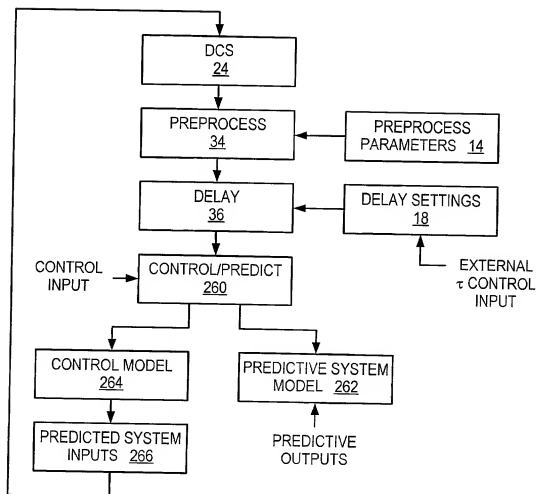


FIG. 23